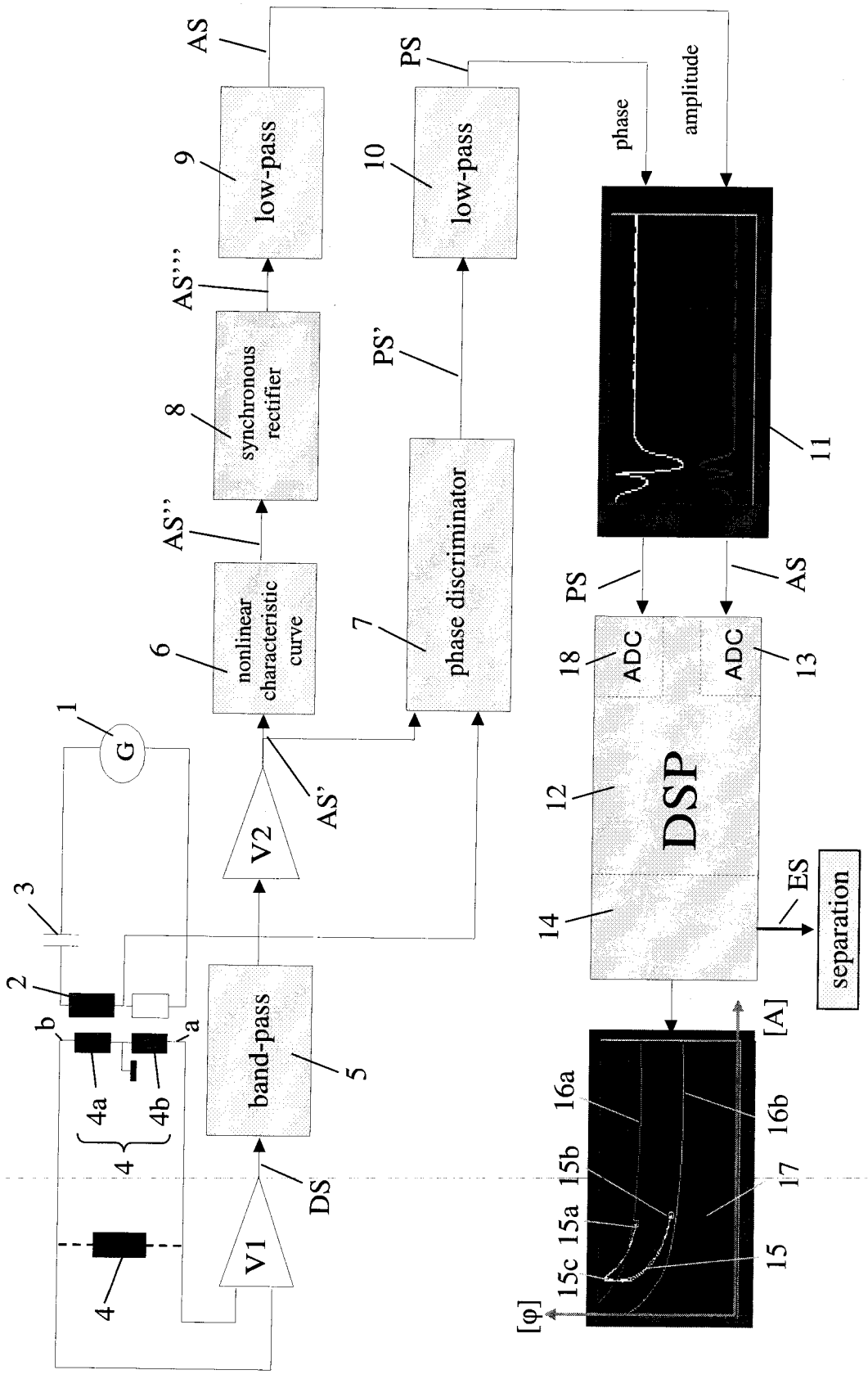
AS
PS
low-pass
9
low-pass
10
phase
amplitude
AS''
synchronous rectifier
8
PS'
phase discriminator
7
11
AS''
nonlinear characteristic curve
6
PS
AS
18
ADC
ADC
13
1
G
V2
AS'
12
DSP
3
2
b
a
14
ES
separation
4a
4b
4
band-pass
5
[A]
16a
16b
15b
17
15a
15c
15
[φ]
4
V1
DS

Fig. 1